

1 WHAT IS CLAIMED IS:

2- Sub 1. A connector for a decorative light having multiple light sources connected in series
3 and encased in a resilient and transparent enclosure, the connector comprising:
4 a first adapter adapted to be engaged with the enclosure and having a combination
5 male-female connector provided with two first pins adapted to be electrically connected with
6 the multiple light sources inside the enclosure and two plated holes and a resilient first cover
7 formed outside a joint between the combination male-female connector and the enclosure;
8 a second adapter adapted to be engaged with the enclosure and having a male connector
9 provided with two second pins adapted to be electrically connected with the light sources
10 inside the enclosure, two extended prongs electrically connected with the two second pins
11 and a second cover integrally formed on a joint between the male connector and the enclosure;
12 and
13 a collar slidably mounted around the first adapter and having a through hole defined to
14 allow the extension of the second cover and an inner thread formed to correspond to an outer
15 thread on the second cover.

16 2. The connector as claimed in claim 1, wherein an axial depth of the outer thread on the
17 second cover is a half of an axial depth of the inner thread of the collar, and the collar is
18 slidably movable on the first adapter, such that the collar is able to screw onto the second
19 cover.

20 Sub 3. The connector as claimed in claim 1, wherein the first adapter further has a flange
21 formed on an outer periphery of the first cover to prevent detachment of the collar from the
22 first adapter.

23 4. The connector as claimed in claim 2, wherein the first adapter further has a flange
24 formed on an outer periphery of the first cover to prevent detachment of the collar from the

1 first adapter.

2 5. The connector as claimed in claim 1 further comprising a plug detachably connected
3 to the first adapter.

4 6. The connector as claimed in claim 5, wherein the plug has a blind hole defined to
5 allow the extension of the first adapter and an outer thread formed to correspond to the inner
6 thread of the collar.

7 7. The connector as claimed in claim 2 further comprising a plug detachably connected
8 to the first adapter.

9 8. The connector as claimed in claim 7, the plug has a blind hole defined to allow the
10 extension of the first adapter and an outer thread formed to correspond to the inner thread of
11 the collar.

12 9. The connector as claimed in claim 3 further comprising a plug detachably connected
13 to the first adapter.

14 10. The connector as claimed in claim 9, wherein the plug has a blind hole defined to
15 allow the extension of the first adapter and an outer thread formed to correspond to the inner
16 thread of the collar.

17 11. The connector as claimed in claim 4 further comprising a plug detachably connected
18 to the first adapter.

19 12. The connector as claimed in claim 11, wherein the plug has a blind hole defined to
20 allow the extension of the first adapter and an outer thread formed to correspond to the inner
21 thread of the collar.

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